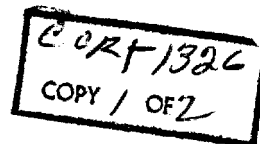


SPECIAL HANDLING

SHC61-9031-217

Copy # 1

September 11, 1961

BB-425
T.O. 21

Dear Jim:

Reference our conversation 7 September on BB-425, Task Order No. 2 (9031), work has been performed on this task since approximately the first of July, and, after some nine weeks, it has been determined that certain deviations from the specifications originally outlined are desired. The two specifications from which we would like to receive relief may be found in "Proposal for a Rear-Projection Viewer," dated 8 February 1961, ITL-3205-1, Page 1, Sup-paragraphs "e" and "f".

It is herein requested that the requirement for a 180° image rotation through the use of optical train be deleted. This results from the fact that the angular coverage of high-altitude panoramic photography is such that the apparent distortion, due to the image inversion, is not great enough to warrant this rotation. This problem has been discussed with your technical representatives of NPIB, AFCIN, and SAC, who confirmed our suspicions by informing us of the fact that on previous units this image rotation device is not frequently used.

Technically, the deletion of this inversion offers several advantages:

1. The number of mirrors may be greatly reduced, thereby making the specification of 200 l-mm more obtainable.
2. The reduction in complexity of the rotation devices aids in satisfying the specification for maximum mechanical and electronic simplicity.
3. A substantial savings in production costs.

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The second item from which we are desirous of having relief is the requirement for point location within a frame to an accuracy of 0.01". We request that this specification be changed to 0.1". It has been determined that a point location of 0.1" accuracy is adequate. In addition to this fact, it is also understood that mensuration capabilities are not a requirement for this unit. The ultimate result of the approval of these specification changes would:

1. Reduce the ultimate production costs of the viewers without compromising the operational requirements. It is also felt that, in order to obtain a resolution of 200 l-mm at 50X, the optical path must be basic and free of all extraneous complexities.
2. Reduce the number of mirrors.
3. Delete the prism.
4. Simplify the optical path through the reduction of the number of mirrors required, thereby insuring the 200 LPM resolution requirements at a substantial reduction of cost, and complexity in production.

In order to insure the conservation of costs on this contract, we have suspended work on this particular phase, pending resolution of this request.

We would like to express at this time our willingness to discuss this at length with your technical people, if you so desire. We hope this will meet with your approval and a reply will be forthcoming shortly.

Very truly yours,

25X1A



Contracts Manager

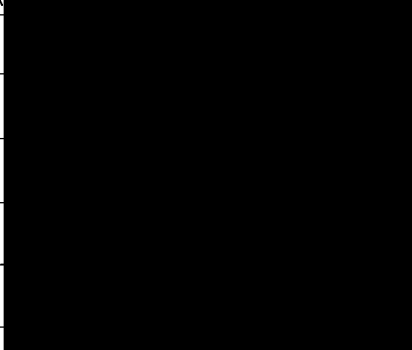
HAM:pjf

SPECIAL HANDLING

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 This is the matter I called
 about 2 weeks ago. He said
 then that it had been
 discussed with some
 technical people.
 where

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